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#5   architectur* and (measurement?<sentence>structur*)<sentence>model* and laser

#6   architectur* and (measurement?<sentence>structur*)<sentence>model* and laser

#7   architectur* and (measurement?<sentence>structur*)<sentence>model* and laser

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IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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☐   1. **High packing density 2.5 THz true-time-delay lines using spatially multiplexed substrate gui** conjunction with volume holograms on a single substrate
Li, R.L.Q.; Zhenhai Fu; Chen, R.;
Lightwave Technology, Journal of
Volume 15, Issue 12, Dec. 1997 Page(s):2253 - 2258
Digital Object Identifier 10.1109/50.643550

AbstractPlus | References | Full Text: PDF(164 KB)   IEEE JNL
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☐ 1. **Measurement of canopy geometry characteristics using LIDAR laser altimetry: a feasibility s**
Houldcroft, C.J.; Campbell, C.L.; Davenport, I.J.; Gurney, R.J.; Holden, N.;
<u>Geoscience and Remote Sensing, IEEE Transactions on</u>
Volume 43, Issue 10, Oct. 2005 Page(s):2270 - 2282
Digital Object Identifier 10.1109/TGRS.2005.856639

<u>AbstractPlus</u> | Full Text: <u>PDF</u>(928 KB)   IEEE JNL
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☐ 2. **Subject Index**
<u>Instrumentation and Measurement, IEEE Transactions on</u>
Volume 51, Issue 6, Dec. 2002 Page(s):1381 - 1406
Digital Object Identifier 10.1109/TIM.2002.1177941

<u>AbstractPlus</u> | Full Text: <u>PDF</u>(338 KB)   IEEE JNL
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☐ 3. **Active optics: A new technology for the control of light**
Hardy, J.W.;
<u>Proceedings of the IEEE</u>
Volume 66, Issue 6, June 1978 Page(s):651 - 697

<u>AbstractPlus</u> | Full Text: <u>PDF</u>(12300 KB)   IEEE JNL
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☐ 4. **Table of Contents**
<u>Geoscience and Remote Sensing Symposium, 2004. IGARSS '04. Proceedings, 2004 IEEE Intern:</u>
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☐ 5. **A large-area integrated multiprocessor system for video applications**
Rudack, M.; Redeker, M.; Hilgenstock, J.; Moch, S.; Castagne, J.;
<u>Design & Test of Computers, IEEE</u>
Volume 19, Issue 1, Jan.-Feb. 2002 Page(s):6 - 17
Digital Object Identifier 10.1109/54.980049

<u>AbstractPlus</u> | <u>References</u> | Full Text: <u>PDF</u>(218 KB)   IEEE JNL
<u>Rights and Permissions</u>

6. **Detecting and modeling doors with mobile robots**
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Volume 4, Apr 26-May 1, 2004 Page(s):3777 - 3784 Vol.4

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7. **Optical interconnections on electrical boards using embedded active optoelectronic compo**
Sang-Yeon Cho; Brooke, M.A.; Jokerst, N.M.;
Selected Topics in Quantum Electronics, IEEE Journal of
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8. **IEEE 1999 International Geoscience and Remote Sensing Symposium IGARSS '99**
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17. Shuttle orbit flight control design lessons: Direction for space station
Cox, K.J.; Hattis, P.D.;
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☐ 23. **Ocean-science mission needs: real-time AUV data for command, control, and model inputs |**
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Vander Vorst, A.;
Microwave Theory and Techniques. IEEE Transactions on
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☐ 25. **The origin of computer graphics within General Motors**
Krull, F.N.;
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☐ **26. Ultra low loss millimeter wave multichip module interconnects**
Pham, A.V.H.; Laskar, J.; Krishnamurthy, V.B.; Cole, H.S.; Sitnik-Nieters, T.;
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Quoc Ngo; Petranovic, D.; Krishnan, S.; Cassell, A.M.; Qi Ye; Jun Li; Meyyappan, M.; Yang, C.Y.;
Nanotechnology, IEEE Transactions on
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35. **Electronic packaging and interconnection techniques, education at university level-a Romar**
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1 ATM Architectures Using Optical Technology: An Overview of Switching, Buffering and Multiplexing
M. Guizani
July 1997 **International Journal of Network Management**, Volume 7 Issue 4
Publisher: John Wiley & Sons, Inc.
Full text available: 📄 pdf(525.89 KB)   Additional Information: full citation, abstract, references, index terms

> This overview presents recent studies on photonic switches and discusses the existing different types, such as space-division switches, free-space switches, time-division switches, wavelength division switches, and frequency division switches. The architectures and applications of these switches are also discussed. © 1997 John Wiley & Sons, Ltd.

2 Architectural implications of quantum computing technologies
Rodney Van Meter, Mark Oskin
January 2006 **ACM Journal on Emerging Technologies in Computing Systems (JETC)**, Volume 2 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(3.24 MB)   Additional Information: full citation, abstract, references, index terms

> In this article we present a classification scheme for quantum computing technologies that is based on the characteristics most relevant to computer systems architecture. The engineering trade-offs of execution speed, decoherence of the quantum states, and size of systems are described. Concurrency, storage capacity, and interconnection network topology influence algorithmic efficiency, while quantum error correction and necessary quantum state measurement are the ultimate drivers of logical clo ...

> **Keywords**: Quantum computing, quantum computer architecture

3 A design analysis of a hybrid technology multithreaded architecture for petaflops scale computation3
Thomas Sterling, Larry Bergman
May 1999 **Proceedings of the 13th international conference on Supercomputing**
Publisher: ACM Press
Full text available: 📄 pdf(1.92 MB)   Additional Information: full citation, references, citings, index terms

4 Laser pointer interaction
Dan R. Olsen, Travis Nielsen

March 2001 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Publisher: ACM Press

Full text available: pdf(298.71 KB)

Additional Information: full citation, abstract, references, citings, index terms

Group meetings and other non-desk situations require that people be able to interact at a distance from a display surface. This paper describes a technique using a laser pointer and a camera to accomplish just such interactions. Calibration techniques are given to synchronize the display and camera coordinates. A series of interactive techniques are described for navigation and entry of numbers, times, dates, text, enumerations and lists of items. The issues of hand jitter, detection error, ...

Keywords: camera-based interaction, group interaction, laser pointer interaction

5 An LPGA with foldable PLA-style logic blocks
Jason Helge Anderson, Stephen Dean Brown

March 1998 **Proceedings of the 1998 ACM/SIGDA sixth international symposium on Field programmable gate arrays**

Publisher: ACM Press

Full text available: pdf(1.10 MB)   Additional Information: full citation, abstract, references, index terms

Laser-programmed gate arrays (LPGAs) represent a new approach to application specific integrated circuit prototyping and implementation. This paper proposes a new LPGA logic block architecture called a foldable PLA-style logic block. The proposed logic block architecture is similar to that found in commercially available CPLDs. The term foldable means that the granularity of the logic block can be varied. This is achieved using the LPGA laser disconnect methodology. A custom CAD too ...

6 Fowarding: Scaling internet routers using optics
Isaac Keslassy, Shang-Tse Chuang, Kyoungsik Yu, David Miller, Mark Horowitz, Olav Solgaard, Nick McKeown

August 2003 **Proceedings of the 2003 conference on Applications, technologies, architectures, and protocols for computer communications**

Publisher: ACM Press

Full text available: pdf(253.06 KB)   Additional Information: full citation, abstract, references, index terms

Routers built around a single-stage crossbar and a centralized scheduler do not scale, and (in practice) do not provide the throughput guarantees that network operators need to make efficient use of their expensive long-haul links. In this paper we consider how optics can be used to scale capacity and reduce power in a router. We start with the promising load-balanced switch architecture proposed by C-S. Chang. This approach eliminates the scheduler, is scalable, and guarantees 100% throughput f ...

Keywords: internet router, load-balancing, packet-switch

7 Energy-aware design of embedded memories: A survey of technologies, architectures, and optimization techniques
Luca Benini, Alberto Macii, Massimo Poncino

February 2003 **ACM Transactions on Embedded Computing Systems (TECS)**, Volume 2 Issue 1

Publisher: ACM Press

Full text available: pdf(288.44 KB)   Additional Information: full citation, abstract, references, index terms

Embedded systems are often designed under stringent energy consumption budgets, to limit heat generation and battery size. Since memory systems consume a significant amount of energy to store and to forward data, it is then imperative to balance power consumption and performance in memory system design. Contemporary system design focuses on the trade-off between performance and energy consumption in processing and storage units, as well as in their interconnections. Although memory design is as ...

Keywords: Embedded systems, embedded memories, integration, memories, nonvolatile, system-on-a-chip, volatile

8   The Y-Architecture for On-Chip Interconnect: Analysis and Methodology
Hongyu Chen, Chung-Kuan Cheng, Andrew B. Kahng, Ion Mandoiu, Qinke Wang, Bo Yao
November 2003 **Proceedings of the 2003 IEEE/ACM international conference on Computer-aided design**
Publisher: IEEE Computer Society
Full text available: pdf(447.54 KB)   Additional Information: full citation, abstract, citings, index terms

The Y-architecture for on-chip interconnect is based on pervasiveuse of 0-, 120-, and 240-degree oriented semi-global and globalwiring. Its use of three uniform directions exploits on-chip routingresources more efficiently than traditional Manhattan wiring architecture.This paper gives in-depth analysis of deployment issues associatedwith the Y-architecture. Our contributions are as follows:(1) We analyze communication capability (throughput of meshes)for different interconnect architectures usi ...

9   Unconventional interconnects: Optical solutions for system-level interconnect
Ian O'Connor
February 2004 **Proceedings of the 2004 international workshop on System level interconnect prediction**
Publisher: ACM Press
Full text available: pdf(873.11 KB)   Additional Information: full citation, abstract, references, index terms

Throughput, power consumption, signal integrity, pin count and routing complexity are all increasingly important interconnect issues that the system designer must deal with. Recent advances in integrated optical devices may deliver alternative interconnect solutions enabling drastically enhanced performance. This paper begins by outlining some of the more pressing issues in interconnect design, and goes on to describe system-level optical interconnect for inter- and intra-chip applications. Inte ...

Keywords: interconnect technology, optical interconnect, optical network on chip

10   The datacycle architecture for very high throughput database systems
Gary Herman, K. C. Lee, Abel Weinrib
December 1987 **ACM SIGMOD Record , Proceedings of the 1987 ACM SIGMOD international conference on Management of data SIGMOD '87,** Volume 16 Issue 3
Publisher: ACM Press
Full text available: pdf(1.00 MB)   Additional Information: full citation, abstract, references, citings, index terms

The evolutionary trend toward a database-driven public communications network has motivated research into database architectures capable of executing thousands of transactions per second. In this paper we introduce the Datacycle architecture, an attempt to exploit the enormous transmission bandwidth of optical systems to permit the implementation of high throughput multiprocessor database systems. The architecture has

the potential for unlimited query throughput, simplified data man ...

11 Special session on NOMADS: An architecture to support cooperating mobile embedded systems

Edgar Nett, Stefan Schemmer
April 2004 **Proceedings of the 1st conference on Computing frontiers**
Publisher: ACM Press
Full text available: pdf(245.28 KB)   Additional Information: full citation, abstract, references, index terms

There is a sustained trend to embed computer systems in all kinds of intelligent products. Increasing emphasis is given to enhance the functionality of such systems beyond the provision of easy-of-use and comfort to more safety-critical tasks where they exert direct control over the intelligent product. Examples of such systems can be exploited in many domains like team robotics, factory automation, transport systems, and intelligent traffic control. To master the inherent complexity, we present ...

Keywords: mobile embedded systems, mobility and adaptivity, modeling of complex systems, service-based architectures, wireless ad-hoc networks

12 Using the High Level Architecture to Implement Selective-Fidelity

Bradley C. Schricker, Sonia R. von der Lippe
April 2004 **Proceedings of the 37th annual symposium on Simulation ANSS '04**
Publisher: IEEE Computer Society
Full text available: pdf(261.48 KB)   Additional Information: full citation, abstract, index terms

For decades, computer simulation professionals havetaken numerous routes to improve the performance oftheir simulation systems. These measures haveincluded, but are not limited to improved data andbehavior representations, advanced developmentarchitectures, and enhanced graphics technologies.Another remarkable concept used to improve theperformance and capabilities has been the use ofdistributed computing techniques, dubbed distributedsimulation. A new and potentially high impactingexpansion of ...

13 System architectures for computer music

John W. Gordon
June 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 2
Publisher: ACM Press

Full text available: pdf(4.61 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Computer music is a relatively new field. While a large proportion of the public is aware of computer music in one form or another, there seems to be a need for a better understanding of its capabilities and limitations in terms of synthesis, performance, and recording hardware. This article addresses that need by surveying and discussing the architecture of existing computer music systems. System requirements vary according to what the system will be used for. Common uses for co ...

14 Exploring the benefits of multiple hardware contexts in a multiprocessor architecture: preliminary results

W.-D. Weber, A. Gupta
April 1989 **ACM SIGARCH Computer Architecture News , Proceedings of the 16th annual international symposium on Computer architecture ISCA '89**, Volume 17 Issue 3
Publisher: ACM Press

Full text available: Additional Information: full citation, abstract, references, citings, index

pdf(965.98 KB)   terms

A fundamental problem that any scalable multiprocessor must address is the ability to tolerate high latency memory operations. This paper explores the extent to which multiple hardware contexts per processor can help to mitigate the negative effects of high latency. In particular, we evaluate the performance of a directory-based cache coherent multiprocessor using memory reference traces obtained from three parallel applications. We explore the case where there are a small fixed number (2-4 ...

15 Optical interconnect technology developments (invited paper)
L. D. Hutcheson
November 1986 **Proceedings of 1986 ACM Fall joint computer conference**
Publisher: IEEE Computer Society Press
Full text available: pdf(859.23 KB)   Additional Information: full citation, references, index terms

16 Architectural and physical design challenges for one-million gate FPGAs and beyond
Jonathan Rose, Dwight Hill
February 1997 **Proceedings of the 1997 ACM fifth international symposium on Field-programmable gate arrays**
Publisher: ACM Press
Full text available: pdf(620.75 KB)   Additional Information: full citation, references, citings, index terms

17 self awareness in the mobility open architecture simulation and tools framework
Chris Scrapper, Stephen Balakirsky, Elena Messina
November 2005 **Proceedings of the 2005 ACM workshop on Research in knowledge representation for autonomous systems KRAS '05**
Publisher: ACM Press
Full text available: pdf(521.24 KB)   Additional Information: full citation, abstract, references, index terms

A Multi-Agent System's (MAS) overall performance is tightly coupled to the system's ability to schedule, monitor, and coordinate activities. These activities must maximize each individual agent"s utility to the group while minimizing the duration of the overall mission. The efficient acquisition and conveying of knowledge is critical to these activities. This paper describes the integration of meta-level knowledge and techniques for knowledge acquisition and conveyance in the Mobility Open Archi ...

Keywords: knowledge, meta-level, mobile robots, multi-agent, self awareness, simulation

18 Orchestrating shots for the national ignition racility
David G. Mathisen, Robert W. Carey
November 2005 **ACM SIGAda Ada Letters , Proceedings of the 2005 annual ACM SIGAda international conference on Ada: The Engineering of Correct and Reliable Software for Real-Time & Distributed Systems using Ada and Related Technologies SigAda '05**, Volume XXV Issue 4
Publisher: ACM Press
Full text available: pdf(1.19 MB)   Additional Information: full citation, abstract, references, index terms

The National Ignition Facility (NIF), currently under construction at the Lawrence Livermore National Laboratory, is a stadium-sized facility containing a 192-beam, 1.8 Megajoule, 500-Terawatt, ultra-violet laser system together with a 10-meter diameter target chamber with room for nearly 100 experimental diagnostics. When completed, NIF

will be the world's largest and most energetic laser experimental system, providing an international center to study inertial confinement fusion and physics of ...

Keywords: Ada95, CORBA, XML, architecture, concurrency, data driven, framework, java, model-based, multi-threaded, state machine, workflow

19 A Quantum Logic Array Microarchitecture: Scalable Quantum Data Movement and Computation
Tzvetan S. Metodi, Darshan D. Thaker, Andrew W. Cross
November 2005 **Proceedings of the 38th annual IEEE/ACM International Symposium on Microarchitecture MICRO 38**
Publisher: IEEE Computer Society
Full text available: pdf(394.90 KB)
Publisher Site   Additional Information: full citation, abstract

Recent experimental advances have demonstrated technologies capable of supporting scalable quantum computation. A critical next step is how to put those technologies together into a scalable, fault-tolerant system that is also feasible. We propose a Quantum Logic Array (QLA) microarchitecture that forms the foundation of such a system. The QLA focuses on the communication resources necessary to efficiently support fault-tolerant computations. We leverage the extensive groundwork in quantum error ...

20 Adaptive workflow management—an integrated approach and system architecture
N. C. Narendra
March 2000 **Proceedings of the 2000 ACM symposium on Applied computing - Volume 2**
Publisher: ACM Press
Full text available: pdf(480.92 KB)   Additional Information: full citation, references, index terms

Keywords: coordination, workflow

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1 Structural model: architecture for software designers   ◼

Robert G. Crispen, Lynn D. Stuckey
November 1994 **Proceedings of the conference on TRI-Ada '94**

Publisher: ACM Press

Full text available: 🅿 pdf(1.07 MB)   Additional Information: full citation, abstract, references, index terms

A structural model is the architectural map for a large software system or family of systems (domain). The structural model used in a domain represents the point of convergence for trade-offs between maintainability and performance, quality and efficiency. As such, different domains will likely have different structural models. The idea of a structural model evolved out of the Ada Simulator Validation Program (ASVP), which established the efficacy of Ada for real-time training simulation. I ...

2 Modelling for heritage experiences: Rapid procedural-modelling of architectural   ◼
structures

P. J. Birch, S. P. Browne, V. J. Jennings, A. M. Day, D. B. Arnold
November 2001 **Proceedings of the 2001 conference on Virtual reality, archeology, and cultural heritage**

Publisher: ACM Press

Full text available: 🅿 pdf(1.27 MB)   Additional Information: full citation, abstract, references, citings, index terms

This paper describes a range of procedural techniques being developed to allow historic building styles to be modelled in a rapid manner, suitable for extremely fast rendering. We are expecting these tools to be used to model large-scale urban virtual-environments, from ancient Rome to modern day Hong Kong.When creating large scenes, there are two particular problems that we need to address and overcome. Firstly, the need to model scenes efficiently leads to a sense of repetition of the models a ...

Keywords: CAD, architectural design, architecture, building design, computer-aided architectural design, computer-aided design, rapid modelling, virtual environments

3 Structured model specification with a supportive simulation architecture   ◼

Edward R. Comer
March 1982 **Proceedings of the 15th annual symposium on Simulation**

Additional Information: full citation, abstract, references, citings, index

Full text available: pdf(818.35 KB)   terms

Recent emphasis in structured software development has resulted in a greater awareness of an orderly methodology for problem solving. This disciplined approach is adapted for model specification. Through the use of structured software techniques and a Model Specification Language (MSL) a complex distributed computer system model is derived and documented. The model specification is supported by a discrete event simulation architecture which directly reflects the model structure.

4 Modeling the storage architectures of commercial database systems

D. S. Batory
December 1985 **ACM Transactions on Database Systems (TODS)**, Volume 10 Issue 4
Publisher: ACM Press

Full text available: pdf(4.46 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

Modeling the storage structures of a DBMS is a prerequisite to understanding and optimizing database performance. Previously, such modeling was very difficult because the fundamental role of conceptual-to-internal mappings in DBMS implementations went unrecognized. In this paper we present a model of physical databases, called the transformation model, that makes conceptual-to-internal mappings explicit. By exposing such mappings, we show that it is possible to model the storage ...

5 The principled design of large-scale recursive neural network architectures--dag-rnns and the protein structure prediction problem

Pierre Baldi, Gianluca Pollastri
December 2003 **The Journal of Machine Learning Research**, Volume 4
Publisher: MIT Press

Full text available: pdf(231.40 KB)   Additional Information: full citation, abstract, references, index terms

We describe a general methodology for the design of large-scale recursive neural network architectures (DAG-RNNs) which comprises three fundamental steps: (1) representation of a given domain using suitable directed acyclic graphs (DAGs) to connect visible and hidden node variables; (2) parameterization of the relationship between each variable and its parent variables by feedforward neural networks; and (3) application of weight-sharing within appropriate subsets of DAG connections to capture s ...

6 Transitioning a model-based software engineering architectural style to Ada 95

Anthony Gargaro, A. Spencer Peterson
November 1995 **Proceedings of the conference on TRI-Ada '95: Ada's role in global markets: solutions for a changing complex world**
Publisher: ACM Press

Full text available: pdf(2.42 MB)   Additional Information: full citation, references

7 Using dependency models to manage complex software architecture

Neeraj Sangal, Ev Jordan, Vineet Sinha, Daniel Jackson
October 2005 **ACM SIGPLAN Notices , Proceedings of the 20th annual ACM SIGPLAN conference on Object oriented programming, systems, languages, and applications OOPSLA '05**, Volume 40 Issue 10
Publisher: ACM Press

Full text available: pdf(645.78 KB)   Additional Information: full citation, abstract, references, citings, index terms

An approach to managing the architecture of large software systems is presented. Dependencies are extracted from the code by a conventional static analysis, and shown in

a tabular form known as the 'Dependency Structure Matrix' (DSM). A variety of algorithms are available to help organize the matrix in a form that reflects the architecture and highlights patterns and problematic dependencies. A hierarchical structure obtained in part by such algorithms, and in part by input from the user, then b ...

Keywords: DSM, architecture, dependency, matrix, model

8 Enterprise architecture modelling using elastic metaphors
Gerald R. Khoury, Simeon J. Simoff
January 2004 **Proceedings of the first Asian-Pacific conference on Conceptual modelling - Volume 31 CRPIT '04**
Publisher: Australian Computer Society, Inc.
Full text available: pdf(110.95 KB)   Additional Information: full citation, abstract, references

Despite the hype surrounding enterprise architectures, they have delivered little on their promise. In this paper, we argue that enterprise architectures built using component-based frameworks are fundamentally flawed, in that they model the enterprise as a set of independent structures with discrete boundaries. Disparate concrete metaphors are used to describe each of these structures, with the result that enterprise architectures can only achieve partial success, at best, in providing a unifie ...

Keywords: enterprise architecture, metaphor, modelling

9 Article abstracts with full text online: π-ARL: an architecture refinement language for formally modelling the stepwise refinement of software architectures
Flavio Oquendo
September 2004 **ACM SIGSOFT Software Engineering Notes**, Volume 29 Issue 5
Publisher: ACM Press
Full text available: pdf(274.56 KB)   Additional Information: full citation, abstract, references, citings

A key aspect of the formal development of any software system is the specification and stepwise refinement of its architecture. In a stepwise refinement, a sequence of steps starting from an abstract specification of the architecture leads to a concrete, implementation-centered, architectural model. Each refinement step typically leads to a more detailed architecture description that increases the determinism while implying properties of the abstract specification. Enabling stepwise architecture ...

Keywords: architecture refinement languages, formal development techniques, software architectures, stepwise refinement

10 Validating UML models against architectural profiles
Petri Selonen, Jianli Xu
September 2003 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 9th European software engineering conference held jointly with 11th ACM SIGSOFT international symposium on Foundations of software engineering ESEC/FSE-11**, Volume 28 Issue 5
Publisher: ACM Press
Full text available: pdf(158.87 KB)   Additional Information: full citation, abstract, references, citings, index terms

The Unified Modeling Language (UML) has become a widely adopted standard in the software industry. While UML has established itself in detailed software design, its usage as an architecture description language is still taking its shape. In particular, there is a growing need for techniques to define domain specific architectural constraints and

conventions in UML. We address this issue by adopting the concept of UML profiles for architectural design. Architectural profiles are specialized for d ...

Keywords: UML, architectural validation, profiles

11   Modeling software architectures in the Unified Modeling Language

Nenad Medvidovic, David S. Rosenblum, David F. Redmiles, Jason E. Robbins
January 2002 **ACM Transactions on Software Engineering and Methodology (TOSEM)**,
Volume 11 Issue 1
Publisher: ACM Press

Full text available: pdf(779.54 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

The Unified Modeling Language (UML) is a family of design notations that is rapidly becoming a de facto standard software design language. UML provides a variety of useful capabilities to the software designer, including multiple, interrelated design views, a semiformal semantics expressed as a UML meta model, and an associated language for expressing formal logic constraints on design elements. The primary goal of this work is an assessment of UML's expressive power for modeling software archit ...

Keywords: C2, Object Constraint Language, Rapide, Unified Modeling Language, Wright, formal modeling, object-oriented design, software architecture

12   An extensible model of architecture description

Kurt Lichtner, Paulo Alencar, Don Cowan
March 2000 **Proceedings of the 2000 ACM symposium on Applied computing - Volume 1**
Publisher: ACM Press

Full text available: pdf(822.07 KB)   Additional Information: full citation, references, citings, index terms

Keywords: architecture description languages, formal specification, formal verification, software architecture

13   Dynamic structure in software architectures

Jeff Magee, Jeff Kramer
October 1996 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 4th ACM SIGSOFT symposium on Foundations of software engineering SIGSOFT '96**, Volume 21 Issue 6
Publisher: ACM Press

Full text available: pdf(1.31 MB)   Additional Information: full citation, abstract, references, citings, index terms

Much of the recent work on Architecture Description Languages (ADL) has concentrated on specifying organisations of components and connectors which are static. When the ADL specification is used to drive system construction, then the structure of the resulting system in terms of its component instances and their interconnection is fixed. This paper examines ADL features which permit the description of dynamic software architectures in which the organisation of components and connectors may chang ...

14   An object-oriented Office Document Architecture model for processing and interchange of documents

W. Horak, G. Krönert

January 1984 **ACM SIGOA Newsletter , Proceedings of the second ACM-SIGOA conference on Office information systems**, Volume 5 Issue 1-2
Publisher: ACM Press

Full text available: pdf(717.62 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

The office document architecture model provides for the description of the internal structures and correlations in documents independently of applications. The Technical Committee TC 2 of the European Computer Manufacturers Association (ECMA) is currently developing the standards Office Document Architecture (ODA) and Office Document Interchange Formats (ODIF). It is in close liaison with ISO/TC97/SC18/ WG3, which has the same working target, and with the CCITT Commission VIII, which is sta ...

15 <u>Modeling and rendering architecture from photographs: a hybrid geometry- and image-based approach</u>
Paul E. Debevec, Camillo J. Taylor, Jitendra Malik
August 1996 **Proceedings of the 23rd annual conference on Computer graphics and interactive techniques**
Publisher: ACM Press
Full text available: pdf(251.64 KB)   . Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

16 <u>Modelling: The inside story: including physiology in structural plant models</u>
Michael Renton, Jim Hanan, Pekka Kaitaniemi
February 2003 **Proceedings of the 1st international conference on Computer graphics and interactive techniques in Australasia and South East Asia**
Publisher: ACM Press
Full text available: pdf(14.13 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Using models of frangipani, cotton and birch plants, this paper shows how physiology can be included in structural plant models through local plant component resource modelling, crop level modelling and canonical mathematical modelling at the level of the individual plant. These simulations are more than just pictorial representations of these plants, and more than just three-dimensional structural representations changing over time. They respond to their environment as they grow, which is achie ...

Keywords: L-systems, canonical non-linear modelling, plant architecture, plant function

17 <u>Analysis/architecture models to ASG models: enabling the transition</u>
Michael Frankel
December 1992 **Proceedings of the conference on TRI-Ada '92**
Publisher: ACM Press
Full text available: pdf(1.17 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

18 <u>Change management: Explicit assumptions enrich architectural models</u>
Patricia Lago, Hans van Vliet
May 2005 **Proceedings of the 27th international conference on Software engineering**
Publisher: ACM Press
Full text available: pdf(710.42 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Design for change is a well-known adagium in software engineering. We separate concerns, employ well-designed interfaces, and the like to ease evolution of the systems we build. We model and build in changeability through parameterization and variability

points (as in product lines). These all concern places where we explicitly consider variability in our systems. We conjecture that it is helpful to also think of and explicitly model *invariability*, things in our systems and their environm ...

Keywords: architecture model, assumption, documentation, knowledge management, software architecture

19 Article abstracts with full text online: π-AAL: an architecture analysis language for formally specifying and verifying structural and behavioural properties of software architectures
Radu Mateescu, Flavio Oquendo
March 2006 **ACM SIGSOFT Software Engineering Notes**, Volume 31 Issue 2
Publisher: ACM Press
Full text available: pdf(460.55 KB)   Additional Information: full citation, abstract, references

A key aspect of the design of any software system is its architecture. An architecture description, from a runtime perspective, provides a formal representation of the architecture in terms of its components and connectors, their ports and behaviours, and how they are composed together. In the past decade, several Architecture Description Languages (ADLs) have been defined for representing the structure and behaviour of software architectures. However, describing the structure and behaviour of a ...

Keywords: architecture analysis languages, formal development techniques, property specification, property verification, software architectures

20 A generic architecture for intelligent instruction for simulation modelling software packages
Tajudeen A. Atolagbe, Vlatka Hlupic
November 1996 **Proceedings of the 28th conference on Winter simulation**
Publisher: ACM Press
Full text available: pdf(833.26 KB)   Additional Information: full citation, references

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TITLE: Apparatus and method for inputting measurements into a software product to construct software models of architectural structures

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lindenbaum, Michael Neil	Denver	CO	US

US-CL-CURRENT: 703/1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

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PGPUB-DOCUMENT-NUMBER: 20050091007
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050091007 A1

TITLE: Apparatus and method for inputting measurements into a software product to construct software models of architectural structures

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:
NAME	CITY	STATE	COUNTRY
Lindenbaum, Michael Neil	Denver	CO	US

US-CL-CURRENT: 703/1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 2. Document ID: US 20050017967 A1
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PGPUB-DOCUMENT-NUMBER: 20050017967
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050017967 A1

TITLE: Three dimensional tangible interface for interacting with spatial-temporal data using a laser scanner

PUBLICATION-DATE: January 27, 2005

INVENTOR-INFORMATION:
NAME	CITY	STATE	COUNTRY
Ratti, Carlo Filippo	Turin	MA	IT
Piper, Benjamin Tarquinn Fielding	London		GB
Ishii, Hiroshi	Boston		US

US-CL-CURRENT: 345/418; 348/135, 356/601, 356/625

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 3.   Document ID: US 20050013477 A1

L5: Entry 3 of 6   File: PGPB   Jan 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050013477
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050013477 A1

TITLE: Three dimensional tangible interface for interacting with spatial-temporal
data using infrared light sources and infrared detectors

PUBLICATION-DATE: January 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ratti, Carlo Filippo	Turin	MA	IT
Piper, Benjamin Tarquinn Fielding	London	MA	GB
Ishii, Hiroshi	Boston	MA	US
Wang, Yao	Cambridge		US
Biderman, Assaf	Boston		US

US-CL-CURRENT: 382/154; 382/106

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 4.   Document ID: US 6229549 B1

L5: Entry 4 of 6   File: USPT   May 8, 2001

US-PAT-NO: 6229549
DOCUMENT-IDENTIFIER: US 6229549 B1

TITLE: High-speed three-dimensional texture mapping systems and methods

DATE-ISSUED: May 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smith; David A.	Cary	NC		

US-CL-CURRENT: 345/419

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 5.   Document ID: US 5988862 A

L5: Entry 5 of 6   File: USPT   Nov 23, 1999

US-PAT-NO: 5988862
DOCUMENT-IDENTIFIER: US 5988862 A

TITLE: Integrated system for quickly and accurately imaging and modeling three
dimensional objects

DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Kacyra; Ben	Orinda	CA		
Dimsdale; Jerry	Berkeley	CA		
Brunkhart; Mark	Oakland	CA		

US-CL-CURRENT: 703/6; 382/195, 702/155

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |
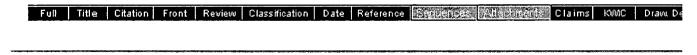
☐ 6.   Document ID: US 5841441 A

L5: Entry 6 of 6   File: USPT   Nov 24, 1998

US-PAT-NO: 5841441
DOCUMENT-IDENTIFIER: US 5841441 A

TITLE: High-speed three-dimensional texture mapping systems and methods

DATE-ISSUED: November 24, 1998

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Smith; David A.	Cary	NC		

US-CL-CURRENT: 345/587

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

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CADS	436
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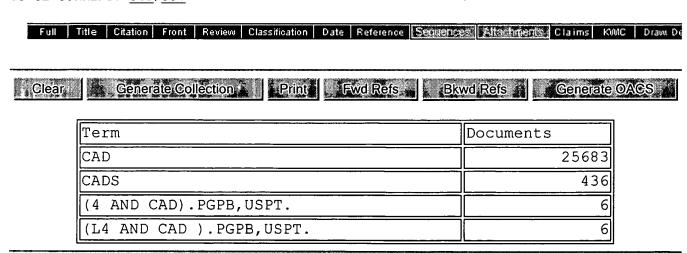
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PGPUB-DOCUMENT-NUMBER: 20050169882
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050169882 A1

TITLE: Multi-functional polymeric materials and their uses

PUBLICATION-DATE: August 4, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lowe, Tao Lu	Hummelstown	PA	US
Kim, Young Shin	Quarryville	PA	US
Huang, Xiao	Hershey	PA	US

US-CL-CURRENT: 424/78.27; 424/85.1, 424/85.2, 525/54.1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 2. Document ID: US 20050091007 A1

L6: Entry 2 of 20   File: PGPB   Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050091007
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050091007 A1

TITLE: Apparatus and method for inputting measurements into a software product to
construct software models of architectural structures

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lindenbaum, Michael Neil	Denver	CO	US

US-CL-CURRENT: 703/1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 3. Document ID: US 20050017967 A1

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PGPUB-DOCUMENT-NUMBER: 20050017967
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050017967 A1

TITLE: Three dimensional tangible interface for interacting with spatial-temporal
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Ishii, Hiroshi	Boston		US

US-CL-CURRENT: 345/418; 348/135, 356/601, 356/625

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 4. Document ID: US 20050013477 A1

L6: Entry 4 of 20   File: PGPB   Jan 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050013477
PGPUB-FILING-TYPE: new
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TITLE: Three dimensional tangible interface for interacting with spatial-temporal
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Ishii, Hiroshi	Boston	MA	US
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Biderman, Assaf	Boston		US

US-CL-CURRENT: 382/154; 382/106

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 5. Document ID: US 20040139801 A1

L6: Entry 5 of 20   File: PGPB   Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040139801
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040139801 A1

TITLE: Method and apparatus for investigating integrity of structural member

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:
NAME   CITY   STATE   COUNTRY
Wilk, Peter J.   New York   NY   US

US-CL-CURRENT: 73/627

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 6. Document ID: US 6980688 B2

L6: Entry 6 of 20   File: USPT   Dec 27, 2005

US-PAT-NO: 6980688
DOCUMENT-IDENTIFIER: US 6980688 B2

TITLE: Method and apparatus for investigating integrity of structural member

DATE-ISSUED: December 27, 2005

INVENTOR-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY
Wilk; Peter J.   New York   NY

US-CL-CURRENT: 382/152; 73/644

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 7. Document ID: US 6678403 B1

L6: Entry 7 of 20   File: USPT   Jan 13, 2004

US-PAT-NO: 6678403
DOCUMENT-IDENTIFIER: US 6678403 B1

TITLE: Method and apparatus for investigating integrity of structural member

DATE-ISSUED: January 13, 2004

INVENTOR-INFORMATION:
```
NAME                    CITY           STATE      ZIP CODE      COUNTRY
Wilk; Peter J.          New York       NY         10023
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US-CL-CURRENT: <u>382</u>/<u>152</u>; <u>73</u>/<u>644</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 8. Document ID: US 6537829 B1

L6: Entry 8 of 20   File: USPT   Mar 25, 2003

US-PAT-NO: 6537829
DOCUMENT-IDENTIFIER: US 6537829 B1

TITLE: Up-converting reporters for biological and other assays using <u>laser</u> excitation techniques

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:
```
NAME                    CITY             STATE    ZIP CODE     COUNTRY
Zarling; David A.       Menlo Park       CA
Rossi; Michel J.        Lausanne                               CH
Peppers; Norman A.      Belmont          CA
Kane; James             Lawrenceville    NJ
Faris; Gregory W.       Menlo Park       CA
Dyer; Mark J.           San Jose         CA
Ng; Steve Y.            San Francisco    CA
Schneider; Luke V.      Half Moon Bay    CA
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US-CL-CURRENT: <u>436</u>/<u>514</u>; <u>250</u>/<u>458.1</u>, <u>250</u>/<u>459.1</u>, <u>356</u>/<u>244</u>, <u>356</u>/<u>246</u>, <u>356</u>/<u>436</u>, <u>435</u>/<u>7.1</u>, <u>435</u>/<u>7.5</u>, <u>435</u>/<u>970</u>, <u>435</u>/<u>973</u>, <u>436</u>/<u>164</u>, <u>436</u>/<u>172</u>, <u>436</u>/<u>177</u>, <u>436</u>/<u>518</u>, <u>436</u>/<u>528</u>, <u>436</u>/<u>540</u>, <u>436</u>/<u>546</u>, <u>436</u>/<u>800</u>, <u>436</u>/<u>805</u>, <u>436</u>/<u>806</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 9. Document ID: US 6399397 B1

L6: Entry 9 of 20   File: USPT   Jun 4, 2002

US-PAT-NO: 6399397
DOCUMENT-IDENTIFIER: US 6399397 B1

TITLE: Up-converting reporters for biological and other assays using <u>laser</u> excitation techniques

DATE-ISSUED: June 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zarling; David A.	Menlo Park	CA		
Rossi; Michel J.	Lausanne			CH
Peppers; Norman A.	Belmont	CA		
Kane; James	Lawrenceville	NJ		
Faris; Gregory W.	Menlo Park	CA		
Dyer; Mark J.	San Jose	CA		
Ng; Steve Y.	San Francisco	CA		
Schneider; Luke V.	Half Moon Bay	CA		

US-CL-CURRENT: 436/518; 435/7.1, 435/7.5, 435/970, 435/973, 436/164, 436/169, 436/172, 436/177, 436/528, 436/540, 436/546, 436/800, 436/805

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 10.   Document ID: US 6376655 B1

L6: Entry 10 of 20   File: USPT   Apr 23, 2002

US-PAT-NO: 6376655
DOCUMENT-IDENTIFIER: US 6376655 B1

TITLE: Physically functional materials

DATE-ISSUED: April 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Berg; Rolf Henrik	Rungsted Kyst			DK
Hvilsted; S.o slashed.ren	H.o slashed.rsholm			DK
Ramanujam; P. S.	Roskilde			DK

US-CL-CURRENT: 534/573; 430/1, 430/2, 524/190, 527/207, 534/829, 534/854, 534/DIG.3

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 11.   Document ID: US 6312914 B1

L6: Entry 11 of 20   File: USPT   Nov 6, 2001

US-PAT-NO: 6312914
DOCUMENT-IDENTIFIER: US 6312914 B1

TITLE: Up-converting reporters for biological and other assays

DATE-ISSUED: November 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kardos; Keith W.	Bethlehem	PA		
Niedbala; R. Sam	Allentown	PA		
Burton; Jarrett Lee	Allentown	PA		
Cooper; David E.	Palo Alto	CA		
Zarling; David A.	Menlo Park	CA		
Rossi; Michel J.	Cossonay			CH
Peppers; Norman A.	Dixon	CA		
Kane; James	Lawrenceville	NJ		
Faris; Gregory W.	Menlo Park	CA		
Dyer; Mark J.	Richardson	TX		
Ng; Steve Y.	San Francisco	CA		
Schneider; Luke V.	Half Moon Bay	CA		

US-CL-CURRENT: <u>435</u>/<u>6</u>; <u>250</u>/<u>484.2</u>, <u>250</u>/<u>484.3</u>, <u>435</u>/<u>325</u>, <u>435</u>/<u>5</u>, <u>435</u>/<u>7.1</u>, <u>530</u>/<u>350</u>, <u>530</u>/<u>387.1</u>, <u>536</u>/<u>24.3</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 12. Document ID: US 6229549 B1

L6: Entry 12 of 20   File: USPT   May 8, 2001

US-PAT-NO: 6229549
DOCUMENT-IDENTIFIER: US 6229549 B1

TITLE: High-speed three-dimensional texture mapping systems and methods

DATE-ISSUED: May 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smith; David A.	Cary	NC		

US-CL-CURRENT: <u>345</u>/<u>419</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 13. Document ID: US 6159686 A

L6: Entry 13 of 20   File: USPT   Dec 12, 2000

US-PAT-NO: 6159686
DOCUMENT-IDENTIFIER: US 6159686 A

TITLE: Up-converting reporters for biological and other assays

DATE-ISSUED: December 12, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kardos; Keith W.	Bethlehem	PA		
Niedbala; R. Sam	Allentown	PA		
Burton; Jarrett Lee	Allentown	PA		
Cooper; David E.	Palo Alto	CA		
Zarling; David A.	Menlo Park	CA		
Rossi; Michel J.	Cossonay			CH
Peppers; Norman A.	Dixon	CA		
Kane; James	Lawrenceville	NJ		
Faris; Gregory W.	Menlo Park	CA		
Dyer; Mark J.	Richardson	TX		
Ng; Steve Y.	San Francisco	CA		
Schneider; Luke V.	Half Moon Bay	CA		

US-CL-CURRENT: 435/6; 250/484.2, 250/484.3, 435/5, 435/7.1, 530/350, 530/387.1, 536/23.1, 536/24.3

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 14.   Document ID: US 5988862 A

L6: Entry 14 of 20   File: USPT   Nov 23, 1999

US-PAT-NO: 5988862
DOCUMENT-IDENTIFIER: US 5988862 A

TITLE: Integrated system for quickly and accurately imaging and modeling three dimensional objects

DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kacyra; Ben	Orinda	CA		
Dimsdale; Jerry	Berkeley	CA		
Brunkhart; Mark	Oakland	CA		

US-CL-CURRENT: 703/6; 382/195, 702/155

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 15.   Document ID: US 5891656 A

L6: Entry 15 of 20   File: USPT   Apr 6, 1999

US-PAT-NO: 5891656
DOCUMENT-IDENTIFIER: US 5891656 A

TITLE: Up-converting reporters for biological and other assays using <u>laser</u> excitation techniques

DATE-ISSUED: April 6, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zarling; David A.	Menlo Park	CA		
Rossi; Michel J.	Lausanne			CH
Peppers; Norman A.	Belmont	CA		
Kane; James	Lawrenceville	NJ		
Faris; Gregory W.	Menlo Park	CA		
Dyer; Mark J.	San Jose	CA		
Ng; Steve Y.	San Francisco	CA		
Schneider; Luke V.	Half Moon Bay	CA		

US-CL-CURRENT: <u>435/7.92</u>; <u>422/56</u>, <u>422/82.08</u>, <u>435/7.21</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 16.   Document ID: US 5841441 A

L6: Entry 16 of 20   File: USPT   Nov 24, 1998

US-PAT-NO: 5841441
DOCUMENT-IDENTIFIER: US 5841441 A

TITLE: High-speed three-dimensional texture mapping systems and methods

DATE-ISSUED: November 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Smith; David A.	Cary	NC		

US-CL-CURRENT: <u>345/587</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 17.   Document ID: US 5736410 A

L6: Entry 17 of 20   File: USPT   Apr 7, 1998

US-PAT-NO: 5736410
DOCUMENT-IDENTIFIER: US 5736410 A

TITLE: Up-converting reporters for biological and other assays using <u>laser</u> excitation techniques

DATE-ISSUED: April 7, 1998

```
INVENTOR-INFORMATION:
NAME                         CITY                 STATE   ZIP CODE    COUNTRY
Zarling; David A.            Menlo Park           CA
Rossi; Michel J.            Lausanne                                 CH
Peppers; Norman A.          Belmont              CA
Kane; James                 Lawrenceville        NJ
Faris; Gregory W.           Menlo Park           CA
Dyer; Mark J.               San Jose             CA
Ng; Steve Y.                San Francisco        CA
Schneider; Luke V.          Half Moon Bay        CA
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US-CL-CURRENT: <u>436/172</u>; <u>250/458.1</u>, <u>250/459.1</u>, <u>356/244</u>, <u>356/318</u>, <u>356/417</u>, <u>422/81</u>, <u>422/82.05</u>, <u>422/82.09</u>, <u>436/518</u>, <u>436/52</u>, <u>436/524</u>, <u>436/63</u>, <u>436/81</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 18.   Document ID: US 5698397 A

L6: Entry 18 of 20   File: USPT   Dec 16, 1997

US-PAT-NO: 5698397
DOCUMENT-IDENTIFIER: US 5698397 A

TITLE: Up-converting reporters for biological and other assays using <u>laser</u> excitation techniques

DATE-ISSUED: December 16, 1997

```
INVENTOR-INFORMATION:
NAME                         CITY                 STATE   ZIP CODE    COUNTRY
Zarling; David A.            Menlo Park           CA
Rossi; Michel J.            Lausanne                                 CH
Peppers; Norman A.          Belmont              CA
Kane; James                 Lawrenceville        NJ
Faris; Gregory W.           Menlo Park           CA
Dyer; Mark J.               San Jose             CA
Ng; Steve Y.                San Francisco        CA
Schneider; Luke V.          Half Moon Bay        CA
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US-CL-CURRENT: <u>435/6</u>; <u>216/25</u>, <u>250/581</u>, <u>313/467</u>, <u>435/5</u>, <u>435/7.1</u>, <u>536/24.3</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 19.   Document ID: US 5674698 A

L6: Entry 19 of 20   File: USPT   Oct 7, 1997

US-PAT-NO: 5674698
DOCUMENT-IDENTIFIER: US 5674698 A

TITLE: Up-converting reporters for biological and other assays using <u>laser</u> excitation techniques

DATE-ISSUED: October 7, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zarling; David A.	Menlo Park	CA		
Rossi; Michel J.	Lausanne			CH
Peppers; Norman A.	Belmont	CA		
Kane; James	Lawrenceville	NJ		
Faris; Gregory W.	Menlo Park	CA		
Dyer; Mark J.	San Jose	CA		
Ng; Steve Y.	San Francisco	CA		
Schneider; Luke V.	Half Moon Bay	CA		

US-CL-CURRENT: <u>435/7.92</u>; <u>422/52</u>, <u>422/56</u>, <u>422/82.05</u>, <u>435/7.1</u>, <u>435/7.95</u>, <u>436/169</u>, <u>436/172</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 20. Document ID: US 3663346 A

L6: Entry 20 of 20   File: USPT   May 16, 1972

US-PAT-NO: 3663346
DOCUMENT-IDENTIFIER: US 3663346 A

TITLE: HONEYCOMB CORE STRUCTURES OF MINIMAL SURFACE TUBULE SECTIONS

DATE-ISSUED: May 16, 1972

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schoen; Alan H.	West Concord	MA		

US-CL-CURRENT: <u>428/116</u>; <u>428/178</u>, <u>428/542.2</u>, <u>482/35</u>, <u>52/80.1</u>, <u>52/DIG.10</u>, <u>D25/117</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

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Term	Documents
ARCHITECTUR$	0
ARCHITECTUR	23
ARCHITECTURA	2
ARCHITECTURAL	35528

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☐ 1. Document ID: US 20060041448 A1

Using default format because multiple data bases are involved.

L10: Entry 1 of 32   File: PGPB   Feb 23, 2006

PGPUB-DOCUMENT-NUMBER: 20060041448
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060041448 A1

TITLE: Number of new and unique manufacturing and assembley methods and processes
to cost effectively refit and market legacy implements like "The Gilhoolie"
presently names "The Wili Grip" TM

PUBLICATION-DATE: February 23, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Patterson; Robbie Lynne	Potomac	MD	US
Stephens; Richard Lewis JR.	Silver Spring	MD	US
Walker; Richard C.	Waldorf	MD	US

US-CL-CURRENT: 705/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 20050267771 A1

L10: Entry 2 of 32   File: PGPB   Dec 1, 2005

PGPUB-DOCUMENT-NUMBER: 20050267771
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050267771 A1

TITLE: Apparatus, system and method for integrated lifecycle management of a
facility

PUBLICATION-DATE: December 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Biondi, Mitchell Joseph	Missouri City	TX	US
Hren, Thomas Raymond	Houston	TX	US

US-CL-CURRENT: <u>705/1</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐   3.   Document ID: US 20050248136 A1

L10: Entry 3 of 32   File: PGPB   Nov 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050248136
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050248136 A1

TITLE: Method for airbag inflation control

PUBLICATION-DATE: November 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Breed, David S.	Boonton Township	NJ	US
Du Vall, Wilbur E.	Kimberling City	MO	US
Johnson, Wendell C.	Kaneohe	HI	US

US-CL-CURRENT: <u>280/735</u>; <u>280/742</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐   4.   Document ID: US 20050137786 A1

L10: Entry 4 of 32   File: PGPB   Jun 23, 2005

PGPUB-DOCUMENT-NUMBER: 20050137786
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050137786 A1

TITLE: Communication method and arrangement

PUBLICATION-DATE: June 23, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Breed, David S.	Boonton Township	NJ	US
DuVall, Wilbur E.	Kimberling City	MO	US
Johnson, Wendell C.	Kaneohe	HI	US
Lukin, Kostyantyn Alexandrovich	Kharkov		UA
Konovalov, Vladymyr Michailovich	Kharkov		UA

US-CL-CURRENT: <u>701/200</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 5.   Document ID: US 20050134440 A1

L10: Entry 5 of 32   File: PGPB   Jun 23, 2005

PGPUB-DOCUMENT-NUMBER: 20050134440
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050134440 A1

TITLE: Method and system for detecting objects external to a vehicle

PUBLICATION-DATE: June 23, 2005

INVENTOR-INFORMATION:
NAME   CITY   STATE   COUNTRY
Breed, David S.   Boonton Township   NJ   US

US-CL-CURRENT: <u>340/435</u>; <u>342/70</u>, <u>701/45</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 6.   Document ID: US 20050132306 A1

L10: Entry 6 of 32   File: PGPB   Jun 16, 2005

PGPUB-DOCUMENT-NUMBER: 20050132306
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050132306 A1

TITLE: Characterization and reduction of variation for integrated circuits

PUBLICATION-DATE: June 16, 2005

INVENTOR-INFORMATION:
NAME   CITY   STATE   COUNTRY
Smith, Taber H.   Fremont   CA   US
Mehrotra, Vikas   Fremont   CA   US
White, David   Cambridge   MA   US

US-CL-CURRENT: <u>716/1</u>; <u>716/10</u>, <u>716/14</u>, <u>716/5</u>, <u>716/6</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 7.   Document ID: US 20050091007 A1

L10: Entry 7 of 32   File: PGPB   Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050091007
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050091007 A1

TITLE: Apparatus and method for inputting measurements into a software product to construct software <u>models of architectural structures</u>

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:
NAME	CITY	STATE	COUNTRY
Lindenbaum, Michael Neil	Denver	CO	US

US-CL-CURRENT: <u>703/1</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐   8.   Document ID: US 20050060069 A1

L10: Entry 8 of 32   File: PGPB   Mar 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050060069
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050060069 A1

TITLE: Method and system for controlling a vehicle

PUBLICATION-DATE: March 17, 2005

INVENTOR-INFORMATION:
NAME	CITY	STATE	COUNTRY
Breed, David S.	Boonton Township	NJ	US
DuVall, Wilbur E.	Kimberling City	MO	US
Johnson, Wendell C.	Kaneohe	HI	US

US-CL-CURRENT: <u>701/29</u>; <u>701/200</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐   9.   Document ID: US 20050046584 A1

L10: Entry 9 of 32   File: PGPB   Mar 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050046584
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050046584 A1

TITLE: Asset system control arrangement and method

PUBLICATION-DATE: March 3, 2005

INVENTOR-INFORMATION:
NAME	CITY	STATE	COUNTRY
Breed, David S.	Boonton Township	NJ	US

US-CL-CURRENT: <u>340</u>/<u>825.72</u>; <u>280</u>/<u>735</u>, <u>340</u>/<u>5.71</u>, <u>455</u>/<u>420</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 10. Document ID: US 20050017967 A1

L10: Entry 10 of 32   File: PGPB   Jan 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050017967
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050017967 A1

TITLE: <u>Three dimensional</u> tangible interface for interacting with spatial-temporal
data using a laser scanner

PUBLICATION-DATE: January 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ratti, Carlo Filippo	Turin	MA	IT
Piper, Benjamin Tarquinn Fielding	London		GB
Ishii, Hiroshi	Boston		US

US-CL-CURRENT: <u>345</u>/<u>418</u>; <u>348</u>/<u>135</u>, <u>356</u>/<u>601</u>, <u>356</u>/<u>625</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 11. Document ID: US 20050017488 A1

L10: Entry 11 of 32   File: PGPB   Jan 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050017488
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050017488 A1

TITLE: Weight measuring systems and methods for vehicles

PUBLICATION-DATE: January 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Breed, David S.	Boonton Township	NJ	US
DuVall, Wilbur E.	Kimberling City	MO	US
Johnson, Wendell C.	Signal Hill	CA	US

US-CL-CURRENT: <u>280</u>/<u>735</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 12.   Document ID: US 20050013477 A1

L10: Entry 12 of 32   File: PGPB   Jan 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050013477
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050013477 A1

TITLE: Three dimensional tangible interface for interacting with spatial-temporal
data using infrared light sources and infrared detectors

PUBLICATION-DATE: January 20, 2005

INVENTOR-INFORMATION:
NAME	CITY	STATE	COUNTRY
Ratti, Carlo Filippo	Turin	MA	IT
Piper, Benjamin Tarquinn Fielding	London	MA	GB
Ishii, Hiroshi	Boston	MA	US
Wang, Yao	Cambridge		US
Biderman, Assaf	Boston		US

US-CL-CURRENT: 382/154; 382/106

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 13.   Document ID: US 20040129478 A1

L10: Entry 13 of 32   File: PGPB   Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040129478
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040129478 A1

TITLE: Weight measuring systems and methods for vehicles

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:
NAME	CITY	STATE	COUNTRY
Breed, David S.	Boonton Township	NJ	US
DuVall, Wilbur E.	Kimberling City	MO	US
Johnson, Wendell C.	Signal Hill	CA	US

US-CL-CURRENT: 180/273; 280/735

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☑ 14.   Document ID: US 20040122628 A1

L10: Entry 14 of 32   File: PGPB   Jun 24, 2004

PGPUB-DOCUMENT-NUMBER: 20040122628
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040122628 A1

TITLE: Method and device for generating two-dimensional floor plans

PUBLICATION-DATE: June 24, 2004

INVENTOR-INFORMATION:
NAME	CITY	STATE	COUNTRY
Laurie, Michael Stuart	Mississauga		CA

US-CL-CURRENT: 703/1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 15. Document ID: US 20030218617 A1
L10: Entry 15 of 32   File: PGPB   Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030218617
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030218617 A1

TITLE: Information presentation apparatus and method in three-dimensional virtual
space and computer program therefor

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:
NAME	CITY	STATE	COUNTRY
Ohto, Yasunori	Tokyo		JP

US-CL-CURRENT: 345/619

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 16. Document ID: US 20030209893 A1
L10: Entry 16 of 32   File: PGPB   Nov 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030209893
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030209893 A1

TITLE: Occupant sensing system

PUBLICATION-DATE: November 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Breed, David S.	Boonton Township	NJ	US
DuVall, Wilbur E.	Kimberling City	MO	US
Johnson, Wendell C.	Signal Hill	CA	US

US-CL-CURRENT: <u>280</u>/<u>735</u>; <u>701</u>/<u>45</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 17.   Document ID: US 20030191568 A1

L10: Entry 17 of 32   File: PGPB   Oct 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030191568
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030191568 A1

TITLE: Method and system for controlling a vehicle

PUBLICATION-DATE: October 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Breed, David S.	Boonton Township	NJ	US

US-CL-CURRENT: <u>701</u>/<u>36</u>; <u>340</u>/<u>438</u>, <u>701</u>/<u>213</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 18.   Document ID: US 20030036835 A1

L10: Entry 18 of 32   File: PGPB   Feb 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030036835
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030036835 A1

TITLE: System for determining the occupancy state of a seat in a vehicle and controlling a component based thereon

PUBLICATION-DATE: February 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Breed, David S.	Boonton Township	NJ	US
DuVall, Wilbur E.	Kimberling	MO	US
Johnson, Wendell C.	Signal Hill	CA	US
Morin, Jeffrey L.	Lincoln Park	MI	US
Xu, Kunhong	Rochester Hills	MI	US
Kussul, Michael E.	Kyiv		UA

Chen, Tie-Qi   Windsor   CA

US-CL-CURRENT: 701/45; 701/46

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 19.   Document ID: US 20020198632 A1

L10: Entry 19 of 32   File: PGPB   Dec 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020198632
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020198632 A1

TITLE: Method and arrangement for communicating between vehicles

PUBLICATION-DATE: December 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Breed, David S.	Boonton Township	NJ	US
DuVall, Wilbur E.	Kimberling City	MO	US
Johnson, Wendell C.	Signal Hill	CA	US
Lukin, Kostyantyn Alexandrovich	Kharkov		UA
Konovalov, Vladymyr Michailovich	Kharkov		UA

US-CL-CURRENT: 701/1; 701/213

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 20.   Document ID: US 20020059022 A1

L10: Entry 20 of 32   File: PGPB   May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059022
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020059022 A1

TITLE: System for determining the occupancy state of a seat in a vehicle and
controlling a component based thereon

PUBLICATION-DATE: May 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Breed, David S.	Boonton Township	NJ	US
DuVall, Wilbur E.	Kimberling City	MO	US
Johnson, Wendell C.	Signal Hill	CA	US
Morin, Jeffrey L.	Lincoln Park	MI	US
Xu, Kunhong	Rochester Hills	MI	US

Kussul, Michael E.   Kyiv   UA

US-CL-CURRENT: <u>701</u>/<u>45</u>; <u>280</u>/<u>735</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |

Term	Documents
CAD	25683
CADS	436
(9 AND CAD).PGPB,USPT.	32
(L9 AND CAD).PGPB,USPT.	32

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☐ 1. Document ID: US 20050212794 A1

Using default format because multiple data bases are involved.

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L12: Entry 1 of 10                        File: PGPB              Sep 29, 2005

PGPUB-DOCUMENT-NUMBER: 20050212794
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050212794 A1

TITLE: Method and apparatus for removing of shadows and shadings from texture
images

PUBLICATION-DATE: September 29, 2005

INVENTOR-INFORMATION:
NAME                                     CITY        STATE       COUNTRY
Furukawa, Ryo                            Tokyo                   JP
Kadobayashi, Rieko                       Tokyo                   JP

US-CL-CURRENT: 345/419; 345/582
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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D

☐ 2. Document ID: US 20050132306 A1

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L12: Entry 2 of 10                        File: PGPB              Jun 16, 2005

PGPUB-DOCUMENT-NUMBER: 20050132306
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050132306 A1

TITLE: Characterization and reduction of variation for integrated circuits

PUBLICATION-DATE: June 16, 2005

INVENTOR-INFORMATION:
NAME                       CITY            STATE       COUNTRY
Smith, Taber H.            Fremont         CA          US
Mehrotra, Vikas            Fremont         CA          US
White, David               Cambridge       MA          US

US-CL-CURRENT: 716/1; 716/10, 716/14, 716/5, 716/6
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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

□ 3. Document ID: US 20050131662 A1

L12: Entry 3 of 10   File: PGPB   Jun 16, 2005

PGPUB-DOCUMENT-NUMBER: 20050131662
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050131662 A1

TITLE: Method and system for modelling bone structure

PUBLICATION-DATE: June 16, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ascenzi, Maria-Grazia	Los Angeles	CA	US
Kabo, John M.	Los Angeles	CA	US

US-CL-CURRENT: 703/11

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

□ 4. Document ID: US 20050091007 A1

L12: Entry 4 of 10   File: PGPB   Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050091007
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050091007 A1

TITLE: Apparatus and method for inputting measurements into a software product to
construct software models of architectural structures

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lindenbaum, Michael Neil	Denver	CO	US

US-CL-CURRENT: 703/1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

□ 5. Document ID: US 20050017967 A1

L12: Entry 5 of 10   File: PGPB   Jan 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050017967

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050017967 A1

TITLE: <u>Three dimensional</u> tangible interface for interacting with spatial-temporal
data using a laser scanner

PUBLICATION-DATE: January 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ratti, Carlo Filippo	Turin	MA	IT
Piper, Benjamin Tarquinn Fielding	London		GB
Ishii, Hiroshi	Boston		US

US-CL-CURRENT: <u>345/418</u>; <u>348/135</u>, <u>356/601</u>, <u>356/625</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 6.   Document ID: US 20050013477 A1

L12: Entry 6 of 10   File: PGPB   Jan 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050013477
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050013477 A1

TITLE: <u>Three dimensional</u> tangible interface for interacting with spatial-temporal
data using infrared light sources and infrared detectors

PUBLICATION-DATE: January 20, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ratti, Carlo Filippo	Turin	MA	IT
Piper, Benjamin Tarquinn Fielding	London	MA	GB
Ishii, Hiroshi	Boston	MA	US
Wang, Yao	Cambridge		US
Biderman, Assaf	Boston		US

US-CL-CURRENT: <u>382/154</u>; <u>382/106</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 7.   Document ID: US 20040062786 A1

L12: Entry 7 of 10   File: PGPB   Apr 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040062786
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040062786 A1

TITLE: Method and system for modelling bone structure

PUBLICATION-DATE: April 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ascenzi, Maria-Grazia	Santa Monica	CA	US
Kabo, John M.	Los Angeles	CA	US

US-CL-CURRENT: <u>424/423</u>; <u>703/11</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De

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☐ 8.   Document ID: US 20030216899 A1

L12: Entry 8 of 10   File: PGPB   Nov 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030216899
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030216899 A1

TITLE: Multidirectional morphology and mechanics of osteonic lamellae

PUBLICATION-DATE: November 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ascenzi, Maria-Grazia	Santa Monica	CA	US
Kabo, John M.	Los Angeles	CA	US

US-CL-CURRENT: <u>703/11</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De

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☐ 9.   Document ID: US 20020155162 A1

L12: Entry 9 of 10   File: PGPB   Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020155162
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020155162 A1

TITLE: Modeling viscoelastic torsional properties of osteons

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ascenzi, Maria-Grazia	Los Angeles	CA	US
Kabo, John Michael	Grenada Hills	CA	US

US-CL-CURRENT: <u>424</u>/<u>549</u>; <u>703</u>/<u>11</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐   10.   Document ID: US 5666202 A

L12: Entry 10 of 10   File: USPT   Sep 9, 1997

US-PAT-NO: 5666202
DOCUMENT-IDENTIFIER: US 5666202 A

TITLE: High bandwidth, dynamically rigid metrology system for the measurement and control of intelligent manufacturing processes

DATE-ISSUED: September 9, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
| Kyrazis; Demos | Albuquerque | NM | 87122 | |

US-CL-CURRENT: <u>356</u>/<u>614</u>; <u>250</u>/<u>559.29</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims |